(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 10 September 2004 (10.09.2004)

(10) International Publication Number WO 2004/076798 A3

(51) International Patent Classification7:

E21B 23/08

(21) International Application Number:

PCT/US2004/006246

- (22) International Filing Date: 26 February 2004 (26.02.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/450,504

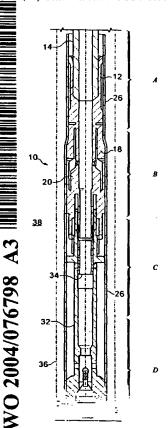
26 February 2003 (26.02.2003) US

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,

[Continued on next page]

(54) Title: APPARATUS FOR RADIALLY EXPANDING AND PLASTICALLY DEFORMING A TUBULAR MEMBER



(57) Abstract: An apparatus (10) for radially expanding and plastically defoming a tubular member (26) with a support member (14), tubular support (12), expansion cone (18), support (20), sliding valve (34), tubular (32), one way poppet valve (30), and shoe (28) in a wellbore (36) at a formation (38) of interest.

TR), OAPI (BF, BJ, CF, CG, Cl, CM, GA, GN, GQ, GW, — ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 24 March 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/06246

A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : E21B 23/08			
US CL : 166/285, 287, 207, 177.4			
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 166/285, 287, 207, 177.4			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category * Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
X US 6,085,838 A (Vercaemer et al.) 11 July 2000 (1	1.07.2000), whole document	4-8	
		10, 11, 13, 15-17, 21, 23, 25-27, 29, 30, 32- 34	
Further degree are listed in the continuation of Poy C	See patent family appear		
Further documents are listed in the continuation of Box C See patent family annex.			
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance.	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent f.		
"P" document published prior to the international filing date but later than the	continent member of the same patent i	······································	
Date of the actual completion of the international search	Date of mailing of the international search report 26 JAN 2005		
21 October 2004 (21.10.2004) Name and mailing address of the ISA/US	Authorized officer		
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Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/06246

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first	
sheet)		
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:		
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	
2.	Claims Nos.: 24 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: Claim 24 is missing	
3. 6.4(a).	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule	
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:	
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	
Remark on 1	No protest accompanied the payment of additional search fees.	

Form PCT/ISA/210 (continuation of first sheet(2)) (January 2004)